

Dynamic Forests Teacher Workshop

Exploring the life cycle of sustainable managed forests



Session I – June 21-22, 2012 or Session II – June 28-29, 2012

Day I

10:00 a.m. – Participants arrive at Boulder Lake ELC.

- Welcome/Introductions
- **Part 1: Basic Forest Ecology and Balancing Act of Sustainable Forest Management**
 - Soil & Water Conservation
 - Wildlife Habitat
 - Recreation
 - Aesthetics
 - Forest Regeneration
 - Economics
 - Invasive Species

Noon – 12:30 Lunch (Provided)

12:30-4:30 p.m.

- **Part 2: The Life Stages of a Northern Minnesota Mixed Forest**
 - Forest Management (Planning and Implementation) field tour
 - Visit the life stages of young mixed stand at multiple sites - all the way to a late successional stand (preserved from harvest) and an active harvest site including short-lived species (birch, aspen, balsam) and thinning of longer lived species (white pine, red pine, & white spruce)

4:30- 5:30 Supper Break (Provided)

5:30-7:00 p.m.

- **Part 3: How is Harvested Wood Utilized?**
 - Lester River Sawmill Tour – watch saw timber (white pine, red pine, birch, & ash) being processed into finished dimensional lumber or flooring, paneling, etc.

Free Camping Available at Boulder Lake ELC for participants.

Day 2

8:00 a.m. – Depart Boulder Lake ELC for Tours in Duluth

- Tour New Page Facility
 - Balsam and spruce pulpwood utilized for pulp - paper production
- Tour M.L. Hibbard Facility
 - Woody Biomass (forest residues -tips and limbs, mill waste, etc) burned to produce electricity and steam

12:00- 12:30 Lunch (Provided)

12:30-4:30 p.m.

- **Part 4: Forest Regeneration Field Tour**
 - How do we regenerate what we harvested, what do stands that are not harvested regenerate into.
 - Different strategies for cover types.
 - Larger picture - Mosaic of stands at different ages, species composition, etc.
- Workshop Wrap-up